

4



04/09

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/744,315

DATE: 08/26/2002

TIME: 14:06:38

Input Set : A:\pf0567usn\_seqlist.txt

Output Set: N:\CRF3\08262002\I744315.raw

ENTERED

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4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5     TANG, Y. Tom
6     LAL, Preeti
7     CORLEY, Neil C.
8     GUEGLER, Karl J.
9     PATTERSON, Chandra
10    BAUGHN, Mariah R.
11    YUE, Henry
13 <120> TITLE OF INVENTION: HUMAN EPIDERMAL PROTEINS
15 <130> FILE REFERENCE: PF-0567 PCT
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/744,315
C--> 18 <141> CURRENT FILING DATE: 2002-08-26
20 <150> PRIOR APPLICATION NUMBER: 09/123,531; unassigned; 09/206,817; unassigned
W--> 21 <151> PRIOR FILING DATE: 1998-07-28; 1998-07-28; 1998-12-07; 1998-12-07
23 <160> NUMBER OF SEQ ID NOS: 16
25 <170> SOFTWARE: PERL Program
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 92
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <223> OTHER INFORMATION: Incyte Clone No: 2024646
36 <400> SEQUENCE: 1
37 Met Ser Cys Gln Gln Asn Gln Gln Gln Cys Gln Pro Pro Pro Lys
38 1      5      10      15
39 Cys Pro Ser Pro Lys Cys Pro Pro Lys Ser Pro Val Gln Cys Leu
40      20      25      30
41 Pro Pro Ala Ser Ser Gly Cys Ala Pro Ser Ser Gly Val Cys Gly
42      35      40      45
43 Pro Ser Ser Glu Gly Gly Cys Phe Leu Asn His His Arg Arg His
44      50      55      60
45 His Arg Cys Arg Arg Gln Arg Pro Asn Ser Cys Asp Arg Gly Ser
46      65      70      75
47 Gly Gln Gln Gly Gly Gly Ser Gly Cys Cys His Gly Ser Gly Gly
48      80      85      90
49 Cys Cys
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 118
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
59 <220> FEATURE:
60 <221> NAME/KEY: misc_feature

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61 <223> OTHER INFORMATION: Incyte Clone No: 3431776
63 <400> SEQUENCE: 2
64 Met Ser Cys Gln Gln Ser Gln Gln Gln Cys Gln Pro Pro Pro Lys
65 1 5 10 15
66 Cys Thr Pro Lys Cys Pro Pro Lys Cys Pro Thr Pro Lys Cys Pro
67 20 25 30
68 Pro Lys Cys Pro Pro Lys Cys Pro Pro Val Ser Ser Cys Cys Ser
69 35 40 45
70 Val Ser Ser Gly Gly Cys Cys Gly Ser Ser Ser Gly Gly Ser Cys
71 50 55 60
72 Gly Ser Ser Ser Gly Gly Cys Cys Ser Ser Gly Gly Gly Gly Cys
73 65 70 75
74 Cys Leu Ser His His Arg Arg Arg Arg Ser His Cys His Arg Pro
75 80 85 90
76 Gln Ser Ser Gly Cys Cys Ser Gln Pro Ser Gly Gly Ser Ser Cys
77 95 100 105
78 Cys Gly Gly Gly Ser Gly Gln His Ser Gly Gly Cys Cys
79 110 115
84 <210> SEQ ID NO: 3
85 <211> LENGTH: 110
86 <212> TYPE: PRT
87 <213> ORGANISM: Homo sapiens
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <223> OTHER INFORMATION: Incyte Clone No: 1798487
93 <400> SEQUENCE: 3
94 Met Ser Cys Gln Gln Asn Gln Gln Gln Cys Gln Pro Pro Pro Lys
95 1 5 10 15
96 Cys Pro Pro Lys Cys Thr Pro Lys Cys Pro Pro Lys Cys Pro Pro
97 20 25 30
98 Lys Cys Pro Pro Gln Cys Pro Ala Pro Cys Phe Pro Ala Val Ser
99 35 40 45
100 Ser Cys Cys Gly Pro Ser Ser Gly Ser Cys Cys Gly Pro Ser Ser
101 50 55 60
102 Gly Gly Cys Cys Ser Ser Gly Ala Gly Gly Cys Ser Leu Ser His
103 65 70 75
104 His Arg Pro Arg Leu Phe His Arg Arg Arg His Gln Ser Pro Asp
105 80 85 90
106 Cys Cys Glu Ser Glu Pro Ser Gly Gly Ser Gly Cys Cys His Ser
107 95 100 105
108 Ser Gly Gly Cys Cys
109 110
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 128
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <223> OTHER INFORMATION: Incyte Clone No: 1448744

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123 &lt;400&gt; SEQUENCE: 4

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124 Met Thr Gly Ser Cys Cys Gly Ser Thr Leu Ser Ser Leu Ser Tyr
125 1 5 10 15
126 Gly Gly Gly Cys Cys Gln Pro Cys Cys Arg Tyr Pro Cys Cys
127 20 25 30
128 Cys Arg Pro Val Thr Cys Gln Thr Thr Val Cys Arg Pro Val Thr
129 35 40 45
130 Cys Val Pro Arg Cys Thr Arg Pro Ile Cys Glu Pro Cys Cys Arg
131 50 55 60
132 Pro Val Cys Cys Asp Pro Cys Ser Leu Gln Glu Gly Cys Cys Arg
133 65 70 75
134 Pro Ile Thr Cys Cys Pro Ser Ser Cys Thr Ala Val Val Cys Arg
135 80 85 90
136 Pro Cys Cys Trp Ala Thr Thr Cys Cys Gln Pro Val Ser Val Gln
137 95 100 105
138 Ser Pro Cys Cys Arg Pro Pro Cys Gly Gln Pro Thr Pro Cys Ser
139 110 115 120
140 Thr Thr Cys Arg Thr Ser Ser Cys
141 125

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146 &lt;210&gt; SEQ ID NO: 5

147 &lt;211&gt; LENGTH: 342

148 &lt;212&gt; TYPE: PRT

149 &lt;213&gt; ORGANISM: Homo sapiens

151 &lt;220&gt; FEATURE:

152 &lt;221&gt; NAME/KEY: misc\_feature

153 &lt;223&gt; OTHER INFORMATION: Incyte Clone No: 2737275

155 &lt;400&gt; SEQUENCE: 5

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156 Met Asn Asn Pro Ile Pro Ser Asn Leu Lys Ser Glu Ala Lys Lys
157 1 5 10 15
158 Ala Ala Lys Ile Leu Arg Glu Phe Thr Glu Ile Thr Ser Arg Asn
159 20 25 30
160 Gly Pro Asp Lys Ile Ile Pro Ala His Val Ile Ala Lys Ala Lys
161 35 40 45
162 Gly Leu Ala Ile Leu Ser Val Ile Lys Ala Gly Phe Leu Val Thr
163 50 55 60
164 Ala Arg Gly Gly Ser Gly Ile Val Val Ala Arg Leu Pro Asp Gly
165 65 70 75
166 Lys Trp Ser Ala Pro Ser Ala Ile Gly Ile Ala Gly Leu Gly Gly
167 80 85 90
168 Gly Phe Glu Ile Gly Ile Glu Val Ser Asp Leu Val Ile Ile Leu
169 95 100 105
170 Asn Tyr Asp Arg Ala Val Glu Ala Phe Ala Lys Gly Gly Asn Leu
171 110 115 120
172 Thr Leu Gly Gly Asn Leu Thr Val Ala Val Gly Pro Leu Gly Arg
173 125 130 135
174 Asn Leu Glu Gly Asn Val Ala Leu Arg Ser Ser Ala Ala Val Phe
175 140 145 150
176 Thr Tyr Cys Lys Ser Arg Gly Leu Phe Ala Gly Val Ser Leu Glu
177 155 160 165

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Input Set : A:\pf0567usn\_seqlist.txt

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```

178 Gly Ser Cys Leu Ile Glu Arg Lys Glu Thr Asn Arg Lys Phe Tyr
179                               170 175 180
180 Cys Gln Asp Ile Arg Ala Tyr Asp Ile Leu Phe Gly Asp Thr Pro
181                               185 190 195
182 Arg Pro Ala Gln Ala Glu Asp Leu Tyr Glu Ile Leu Asp Ser Phe
183                               200 205 210
184 Thr Glu Lys Tyr Glu Asn Glu Gly Gln Arg Ile Asn Ala Arg Lys
185                               215 220 225
186 Ala Ala Arg Glu Gln Arg Lys Ser Ser Ala Lys Glu Leu Pro Pro
187                               230 235 240
188 Lys Pro Leu Ser Arg Pro Gln Gln Ser Ser Ala Pro Val Gln Leu
189                               245 250 255
190 Asn Ser Gly Ser Gln Ser Asn Arg Asn Glu Tyr Lys Leu Tyr Pro
191                               260 265 270
192 Gly Leu Ser Ser Tyr His Glu Arg Val Gly Asn Leu Asn Gln Pro
193                               275 280 285
194 Ile Glu Val Thr Ala Leu Tyr Ser Phe Glu Gly Gln Gln Pro Gly
195                               290 295 300
196 Asp Leu Asn Phe Gln Ala Gly Asp Arg Ile Thr Val Ile Ser Lys
197                               305 310 315
198 Thr Asp Ser His Phe Asp Trp Trp Glu Gly Lys Leu Arg Gly Gln
199                               320 325 330
200 Thr Gly Ile Phe Pro Ala Asn Tyr Val Thr Met Asn
201                               335 340
206 <210> SEQ ID NO: 6
207 <211> LENGTH: 529
208 <212> TYPE: PRT
209 <213> ORGANISM: Homo sapiens
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <223> OTHER INFORMATION: Incyte Clone No: 3325323
215 <400> SEQUENCE: 6
216 Met Gly Ser Ser Arg Ala Pro Trp Met Gly Arg Val Gly Gly His
217 1 5 10 15
218 Gly Met Leu Ala Leu Leu Ala Gly Leu Leu Leu Pro Gly Thr
219 20 25 30
220 Leu Ala Lys Ser Ile Gly Thr Phe Ser Asp Pro Cys Lys Asp Pro
221 35 40 45
222 Thr Arg Ile Thr Ser Pro Asn Asp Pro Cys Leu Thr Gly Lys Gly
223 50 55 60
224 Asp Ser Ser Gly Phe Ser Ser Tyr Ser Gly Ser Ser Ser Gly
225 65 70 75
226 Ser Ser Ile Ser Ser Ala Arg Ser Ser Gly Gly Gly Ser Ser Gly
227 80 85 90
228 Ser Ser Ser Gly Ser Ser Ile Ala Gln Gly Gly Ser Ala Gly Ser
229 95 100 105
230 Phe Lys Pro Gly Thr Gly Tyr Ser Gln Val Ser Tyr Ser Ser Gly
231 110 115 120
232 Ser Gly Ser Ser Leu Gln Gly Ala Ser Gly Ser Ser Gln Leu Gly

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Input Set : A:\pf0567usn\_seqlist.txt

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233		125		130		135
234	Ser Ser Ser Ser	His Ser Gly Ser Ser	Gly Ser His Ser Gly Ser			
235		140		145		150
236	Ser Ser Ser His	Ser Ser Ser Ser Ser	Ser Phe Gln Phe Ser Ser			
237		155		160		165
238	Ser Ser Phe Gln	Val Gly Asn Gly Ser	Ala Leu Pro Thr Asn Asp			
239		170		175		180
240	Asn Ser Tyr Arg	Gly Ile Leu Asn Pro	Ser Gln Pro Gly Gln Ser			
241		185		190		195
242	Ser Ser Ser Ser	Gln Thr Phe Gly Val	Ser Ser Ser Gly Gln Ser			
243		200		205		210
244	Val Ser Ser Asn	Gln Arg Pro Cys Ser	Ser Asp Ile Pro Asp Ser			
245		215		220		225
246	Pro Cys Ser Gly	Gly Pro Ile Val Ser	His Ser Gly Pro Tyr Ile			
247		230		235		240
248	Pro Ser Ser His	Ser Val Ser Gly Gly	Gln Arg Pro Val Val Val			
249		245		250		255
250	Val Val Asp Gln	His Gly Ser Gly Ala	Pro Gly Val Val Gln Gly			
251		260		265		270
252	Pro Pro Cys Ser	Asn Gly Gly Leu Pro	Gly Lys Pro Cys Pro Pro			
253		275		280		285
254	Ile Thr Ser Val	Asp Lys Ser Tyr Gly	Gly Tyr Glu Val Val Gly			
255		290		295		300
256	Gly Ser Ser Asp	Ser Tyr Leu Val Pro	Gly Met Thr Tyr Ser Lys			
257		305		310		315
258	Gly Lys Ile Tyr	Pro Val Gly Tyr Phe	Thr Lys Glu Asn Pro Val			
259		320		325		330
260	Lys Gly Ser Pro	Gly Val Pro Ser Phe	Ala Ala Gly Pro Pro Ile			
261		335		340		345
262	Ser Glu Gly Lys	Tyr Phe Ser Ser Asn	Pro Ile Ile Pro Ser Gln			
263		350		355		360
264	Ser Ala Ala Ser	Ser Ala Ile Ala Phe	Gln Pro Val Gly Thr Gly			
265		365		370		375
266	Gly Val Gln Leu	Cys Gly Gly Gly Ser	Thr Gly Ser Lys Gly Pro			
267		380		385		390
268	Cys Ser Pro Ser	Ser Ser Arg Val Pro	Ser Ser Ser Ser Ile Ser			
269		395		400		405
270	Ser Ser Ser Gly	Leu Pro Tyr His Pro	Cys Gly Ser Ala Ser Gln			
271		410		415		420
272	Ser Pro Cys Ser	Pro Pro Gly Thr Gly	Ser Phe Ser Ser Ser Ser			
273		425		430		435
274	Ser Ser Gln Ser	Ser Gly Lys Ile Ile	Leu Gln Pro Cys Gly Ser			
275		440		445		450
276	Lys Ser Ser Ser	Ser Gly His Pro Cys	Met Ser Val Ser Ser Leu			
277		455		460		465
278	Thr Leu Thr Gly	Gly Pro Asp Gly Ser	Pro His Pro Asp Pro Ser			
279		470		475		480
280	Ala Gly Ala Lys	Pro Cys Gly Ser Ser	Ser Ala Gly Lys Ile Pro			
281		485		490		495

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/744,315

DATE: 08/26/2002

TIME: 14:06:39

Input Set : A:\pf0567usn\_seqlist.txt

Output Set: N:\CRF3\08262002\I744315.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:21 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD